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Ministry of Health

REPORT ON

DAY CARE SURGERY

1988 / 1989

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MINISTRY OF HEALTH

REPORT ON DAY CARE SURGERY

1988/1989

PREPARED
BY

INFORMATION AND ANALYSIS
MANAGEMENT RESOURCES DIVISION
BRITISH COLUMBIA MINISTRY OF HEALTH

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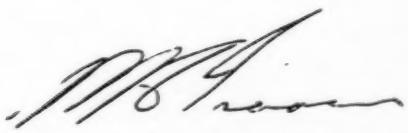
FOREWORD

The purpose of this report is to present in a statistical form, details of the day care surgery program in British Columbia. The data presented have been derived from the statistical information received from the national service bureaus performing medical record abstracting for the hospitals in British Columbia.

Although the formats and content of the tables are similar to those of past reports, the number and order of the tables have changed. Therefore, care should be taken when comparing this report to those of previous years.

This report includes charts, graphs and tables which illustrate day care surgery utilization over time and highlight emerging trends. Throughout the report we have maintained an objective overview of the data and have not made policy or procedural recommendations.

I wish to acknowledge the efforts of William Selwood, Senior Research Officer, and David Jones and Stephen Lee, Research Officers, in the preparation of this report.



Mark Isaacs
Director
Information and Analysis
Management Resources

June, 1991

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INTRODUCTION

INTRODUCTION

This report analyses the 1988/89 experience of the day care surgery program in British Columbia, shows the types of procedures being performed, documents the growth of day care surgery over the past few years, and highlights emerging trends. For comparative purposes, this report should be reviewed with the report on the 1987/88 experience. Reports prior to 1979/80 employed the ICD 8th Revision. Thus, when comparisons are made with the 8th Revision, some caution should be used as a result of the changes in the code structure and classification.

At the time the decision was made for provision of day care surgical services under the British Columbia Hospital Insurance Act, there was considerable discussion as to the type of case that would be suitable for coverage and the method of defining acceptable cases and procedures. Serious consideration was originally given to the development of a list of procedures and diagnoses which would be eligible. However, it was felt that such a list would be subject to constant amendment, revision and additions, and hospital clerical personnel would have continuing difficulties interpreting admitting diagnoses and types of procedures against the background of a constantly changing eligible list. It was decided therefore that a broad general definition of what was intended for coverage was a superior method of dealing with the problem.

The definition is based primarily on the assumption that day care surgical services are a compact form of inpatient care, requiring the full services of an operating room suite and as such, deserve the same quality control considerations provided to inpatients. The attending physicians in the hospitals are expected to provide a complete medical record for a day care admission. These records are subject to the usual review taken by the hospital's Medical Utilization Committee to establish quality control, and assist in assessing proper utilization of the program.

Day care surgical services can be divided into four main groups as follows:

1. the primary group of cases are those elective or non-elective diagnostic and/or treatment procedures requiring the use of hospital facilities and a general anaesthetic;

2. a second group of cases are those procedures which would normally be carried out under general anaesthesia, but where the attending physician has elected to use local or regional anaesthesia. It is recognized that many physicians are highly proficient in operating under these conditions, and such procedures as repair of hernia, breast biopsy, closed reduction of fractures, etc., while commonly performed under a general anaesthetic, are also frequently performed under local or regional anaesthesia;

3. a third group of cases are endoscopic procedures carried out under either local or general anaesthesia, or sedation. It is felt that hospital facilities are required for cystoscopy, bronchoscopy, esophagoscopy, gastroscopy, etc. Sigmoidoscopy does not normally require complete hospital facilities and is usually performed as a simple office or hospital outpatient procedure, but there may be exceptions;

4. a fourth group of procedures are those related to certain plastic, opthalmological and other surgical procedures which may be carried out under general or local anaesthesia. While it is felt that such simple procedures as excision of cysts, removal of warts, toenails, etc., should not be removed from their present "minor surgery" classification, it is recognized that certain plastic surgical, ophthalmological, and other procedures on the face do require a degree of care and attention which may call for full operating room, recovery room, nursing care and other hospital services.

SECTION 1

OVERVIEW OF DAY CARE SURGERY IN BRITISH COLUMBIA

SECTION 1. OVERVIEW OF DAY CARE SURGERY IN BRITISH COLUMBIA

Day care surgical services have been provided as a benefit under the British Columbia Hospital Insurance Act since February, 1968. During that initial year of operation, 13,450 procedures were carried out under the program. For the fiscal year 1988/89 there were 179,344 procedures performed. As indicated in Table 1 and Figure 1, the number of reported procedures carried out annually has increased consistently over the past ten years.

A further detailed analysis of the incidence of day care procedures by age group for the past four years shows the bulk of this increase has occurred in the 45-69 and the 70 and over age groups. For the other age groups, under 15 and 15 to 44, while there have been small increases in actual cases over the period, the overall percentage relative to the other age groups has been steadily declining. This is illustrated in Table 1A and Figure 2. The incidence per thousand population for the 45 to 69 age group has grown from 62.2 to 76.9 while that for the 70 and over age group has grown from 73.7 to 107.3. This increase is generally distributed consistently among the operation groupings and is discussed in more detail later in this Section.

TABLE 1. DAY CARE SURGERY VOLUME, 1979/80 – 1988/89

YEAR	POPULATION	CASES	CASES PER 1,000 POP.
1979/80	2,589,400	90,120	34.8
1980/81	2,666,000	97,085	36.4
1981/82	2,744,500	105,944	38.6
1982/83	2,787,700	116,958	42.0
1983/84	2,813,800	122,244	43.4
1984/85	2,847,700	129,636	45.5
1985/86	2,870,100	145,409	50.7
1986/87	2,889,200	161,505	55.9
1987/88	2,925,700	171,852	58.7
1988/89	2,980,200	179,344	60.2

Figure 1. Day Care Volume per 1,000 Population, 1979/80 - 1988/89

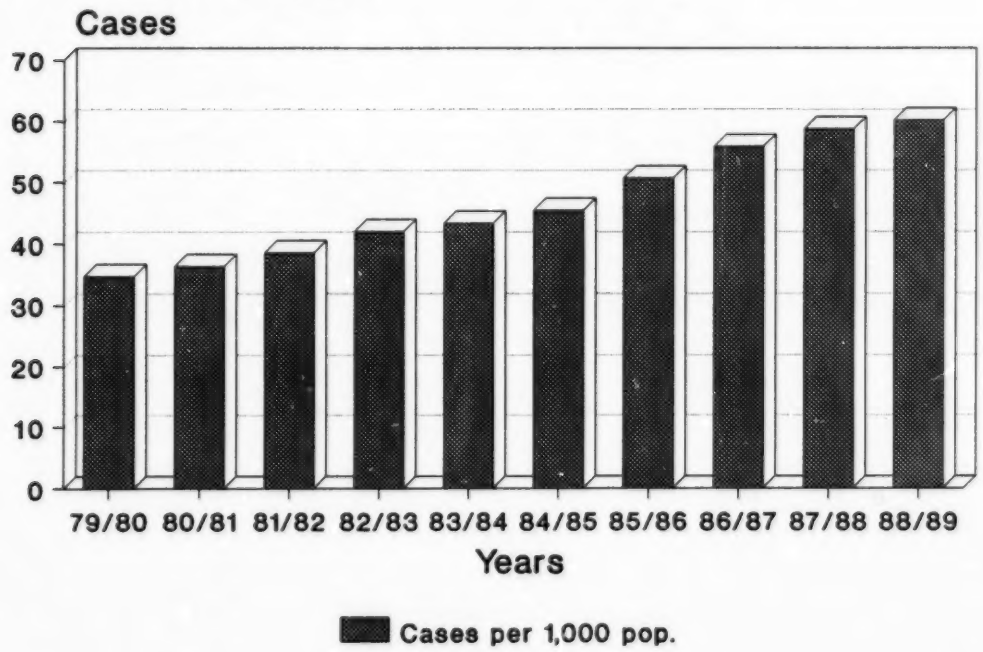
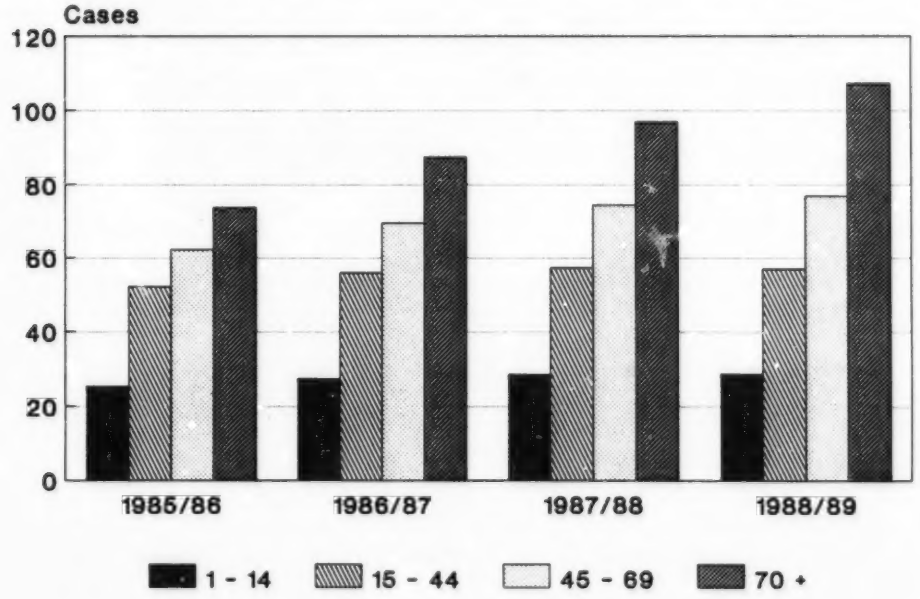


TABLE 1A. DAY CARE CASES BY AGE GROUPS, 1985/86 – 1988/89

		AGE GROUPS				
	YEAR	1 - 14	15 - 44	45 - 69	70 +	TOTAL
CASES	1985/86	15,114	71,695	42,079	16,521	145,409
	1986/87	16,234	77,155	47,798	20,318	161,505
	1987/88	17,000	79,288	52,198	23,366	171,852
	1988/89	17,327	79,893	55,409	26,715	179,344
PERCENTAGE BY AGE GROUP	1985/86	10.4	49.3	28.9	11.4	100.0
	1986/87	10.1	47.8	29.6	12.6	100.0
	1987/88	9.9	46.1	30.4	13.6	100.0
	1988/89	9.7	44.5	30.9	14.9	100.0
RATE PER 1,000 POPULATION	1985/86	25.4	52.2	62.2	73.7	50.7
	1986/87	27.4	56.0	69.5	87.5	55.9
	1987/88	28.5	57.2	74.4	96.9	58.8
	1988/89	28.6	56.9	76.9	107.3	60.2

Figure 2. Day Care Surgery by Age Group, per 1,000 Population, 1985/86 - 1988/89



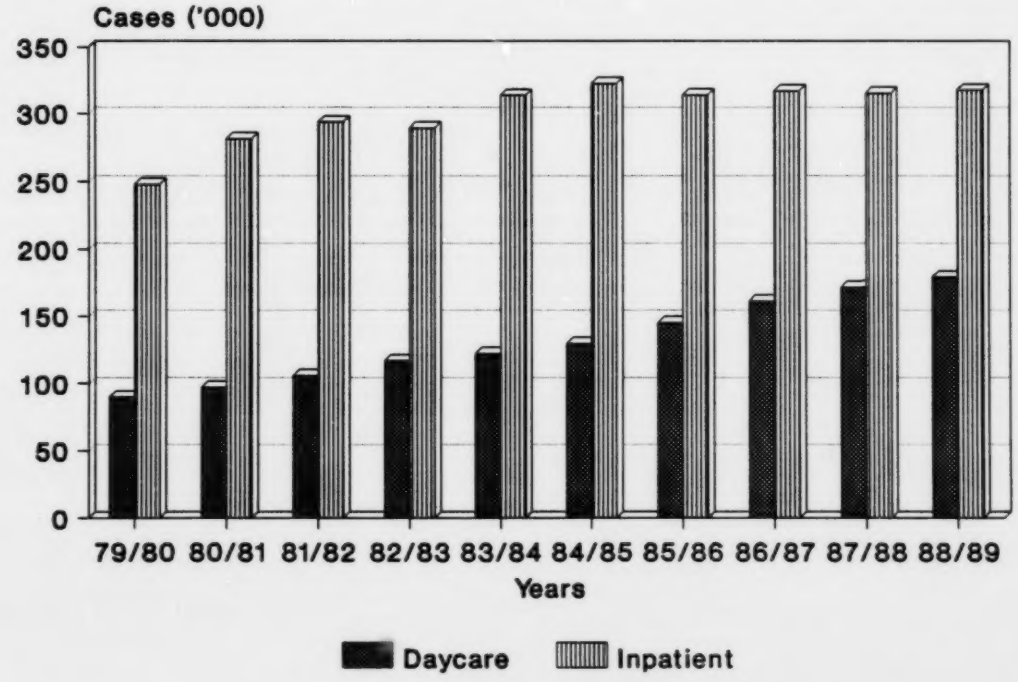
The total day care surgical case load rose from 171,852 in 1987/88 to 179,344 in 1988/89, an increase of 4.4%. During the same period, the total acute care hospital[1] inpatient surgical load (principal procedures only) was 317,674 cases, up from 315,400, an increase of 0.7%. While there were marginal percentage increases from the previous year for case loads for both day care and inpatient surgical procedures, there has been a steady increase in both over the past ten years. The relationship between the total inpatient and day care surgical load over this period is illustrated in Table 1B and Figure 3.

[1]Excluding Rehabilitation hospitals and Red Cross Outpost hospitals.

TABLE 1B. DAY CARE AND INPATIENT SURGICAL PROCEDURES AS PERCENTAGES OF TOTAL SURGICAL LOAD, 1979/80 – 1988/89

YEAR	DAY CARE	INPATIENT	TOTAL	% OF SURGICAL LOAD		% CHANGE	
				DAY CARE	INPATIENT	DAY CARE	INPATIENT
1979/80	90,120	247,944	338,064	26.7	73.3		
1980/81	97,085	281,316	378,401	25.7	74.3	-1.0	1.0
1981/82	105,944	293,794	399,738	26.5	73.5	0.8	-0.8
1982/83	116,958	289,253	406,211	28.8	71.2	2.3	-2.3
1983/84	122,244	313,785	436,029	28.0	72.0	-0.8	0.8
1984/85	129,636	322,637	452,273	28.7	71.3	0.6	-0.6
1985/86	145,409	314,051	459,460	31.6	68.4	3.0	-3.0
1986/87	161,505	317,130	478,635	33.7	66.3	2.1	-2.1
1987/88	171,852	315,400	487,252	35.3	64.7	1.5	-1.5
1988/89	179,344	317,674	497,018	36.1	63.9	0.8	-0.8

Figure 3. Volume of Surgical Procedures, 1979/80 - 1988/89



Surgical procedures are classified into 18 operation groupings based on the Canadian Classification of Diagnostic, Therapeutic, and Surgical Procedures (CCP) used in conjunction with the Revision of the International Classification of Diseases (ICD-9 - See Appendix A for definitions of the groupings). While these groupings indicate the general areas of surgery, they do not indicate the specific procedures performed. Table 1C and Figure 4 compare the distribution among these operation groupings for the four year period 1985/86 to 1988/89.

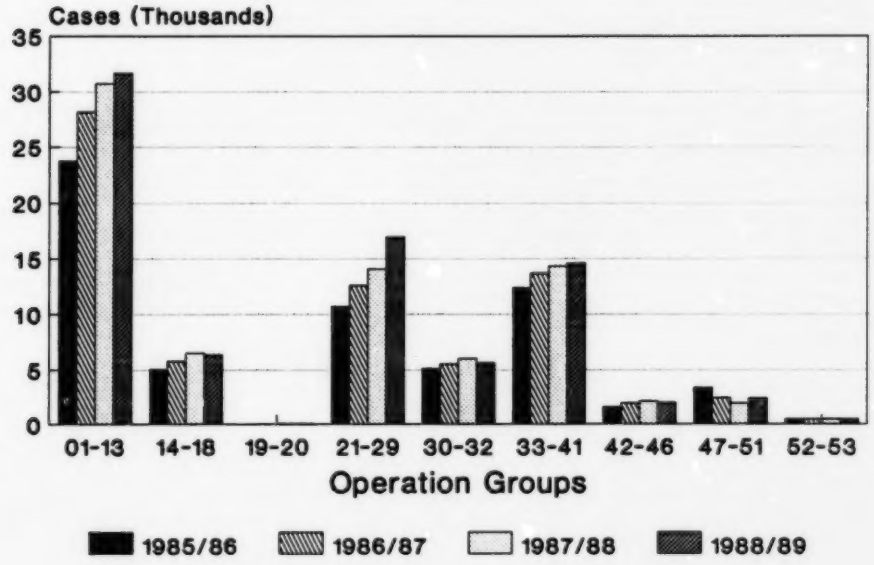
Although, as expected, most groupings showed an increase, day care volumes for all groupings increased consistently and substantially over the four year period. The exceptions were:

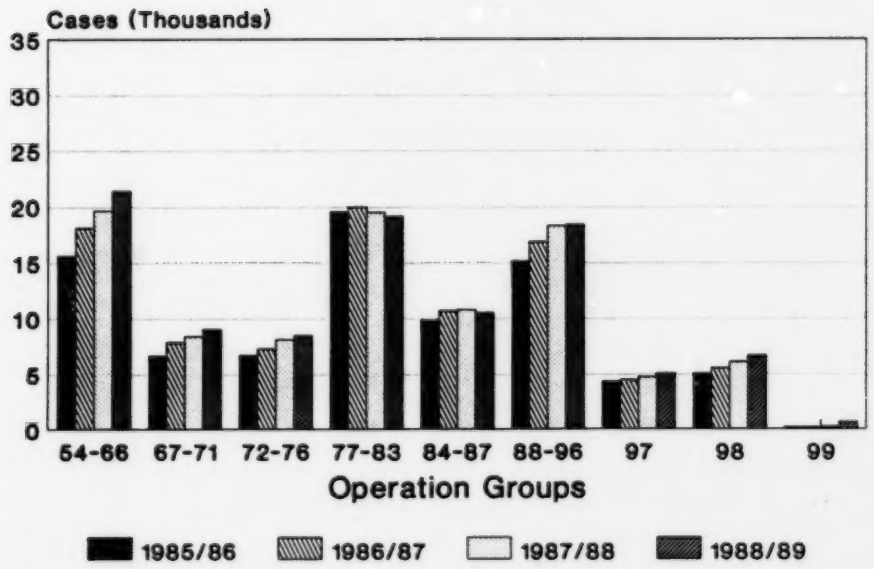
Operations on the Endocrine System	19-20
Operations on the Ears	30-32
Operations on the Respiratory System	42-46
Operations on the Cardiovascular System	47-51
Operations on the Hemic and Lymphatic Systems	52-53
Operations on the Female Genital Organs	77-83
Obstetrical Procedures	84-87

TABLE 1C. DAY CARE SURGERY BY OPERATION GROUPS, 1985/86 – 1988/89

OPERATION GROUPS	YEAR 1985/86	1986/87	1987/88	1988/89
01-13	23,758	28,134	30,713	31,670
14-18	5,048	5,777	6,510	6,361
19-20	19	22	23	26
21-29	10,716	12,575	14,076	16,930
30-32	5,060	5,489	5,980	5,617
33-41	12,373	13,667	14,297	14,593
42-46	1,592	1,927	2,089	1,995
47-51	3,363	2,399	1,952	2,340
52-53	449	482	463	490
54-66	15,643	18,147	19,652	21,404
67-71	6,649	7,845	8,378	9,020
72-76	6,684	7,297	8,108	8,478
77-83	19,534	19,977	19,517	19,151
84-87	9,871	10,708	10,779	10,527
88-96	15,136	16,895	18,324	18,409
97	4,319	4,481	4,703	5,039
98	5,017	5,510	6,077	6,657
99	178	173	211	637
TOTAL	145,409	161,505	171,852	179,344

Fig. 4 Day Care Surgery by Operation Groups, 1985/86-1988/89





SECTION 2

DAY CARE SURGICAL VOLUMES FOR SPECIFIC HOSPITALS

SECTION 2. DAY CARE SURGICAL VOLUMES FOR SPECIFIC HOSPITALS

Table 2 shows the workload by operation group for specific acute care hospitals. Table 2A relates the relative workload for each operation group for the individual hospitals and for the province. Fifteen of the acute care hospitals did not report any day care surgical procedures for 1988/89. As expected, smaller hospitals had most of their day care volume in only a few of the operation groups.

For all acute care hospitals Table 3 shows the total number of day care surgical procedures performed, together with the number of operations performed on inpatients (based on principal operations only), and relates the day care surgery to the total surgical volume of the hospital. For comparison, the day care surgery percentages for each hospital for the previous three years are also given. As displayed in Table 1B, 36.1 percent of all surgery was performed on a day care basis in 1988/89. When we look at only those hospitals where the total surgical load was greater than 10,000 cases, however, day care surgery accounted for an average of 38.9 percent of the group's total load. Looking at those hospitals where the total surgical load was less than 10,000 cases, day care surgery represented an average of 30.7 percent of the total surgical load. The eighteen hospitals with total surgical volume of more than 10,000 cases in 1988/89 accounted for 72.0% of all the day care surgery in the province and 64.2 percent of all the inpatient surgery.

The introduction of specialized services at some hospitals has added to the overall increase in the day care surgery volume, for example, eye care at Vancouver General Hospital and St. Mary's Hospital, New Westminster, and extracorporeal shock wave lithotripsy at Vancouver General Hospital.

TABLE 2. DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
101	19,934	1,071	517	1	4,403	28	948	303	139	13	2,069	2,501	696	1,422	4,914	701	70	138	
102	6,904	1,510	150	1	1,059	30	166	26	113	21	1,952	458	145	562		349	202	110	50
103	1,543	216	22		366	21	134	4	70	4	145	134	73	122		56	128	48	
105	6,791	1,556	13	2	725	785	1,866	31	112	20	675	56	408	15		320	1	205	1
106	2,583	268	26	1	378	82	157	36	3	17	276	176	64	573		246	127	141	12
107	424	74	19				1	59	13	57	2	11	10	10	1	7	150	9	1
109	6,681	1,438	356		60	60	69	194	973	10	1,000	268	270	713	231	515	160	348	16
110	4,814	415	144		1,810	285	713	79	33	7	176	56	16	121		390	81	486	2
111	399	35	11		29	13	61	2	2	3	26	16	8	99		60	17	16	1
112	7,580	1,009	81	1	576	243	343	81	41	34	1,168	505	179	1,179	491	1,241	264	125	19
113	370	44	27				2				73	3	47	86	30	49	5	4	
115	2,203	655	70	1	109	34	29	7	13	4	337	31	84	342	2	305	104	70	6
116	7,500	1,145	196		313	378	489	120	25	11	771	81	461	1,008	286	780	265	1,171	
121	3,687	452	85		277	134	146	57	9	6	157	195	418	509	8	651	209	373	1
123	3,024	588	12		257	2	57	9	115	3	631	270	140	123		477	269	60	11
125	6,309	1,027	607		75	11	291	4	15	5	1,337	590	105	1,068	826	285	18	33	12
128	101	2	7			1	17				4	1	1	46		11	4	7	
130	5,882	1,350	71	3	409	105	109	30	48	7	1,136	148	217	557	433	601	248	405	5
131	2,660	471	788		216	23	52	8	12	7	233	26	134	278	94	176	104	30	8
134	1,061	214	13		37	7	89		7	4	155	88	95	167		50	74	57	4
136	3,334	405	97	1	91	249	392	6	10	2	77	235	342	381	126	336	87	494	3
201	12,532	2,608	253	1	2,252	64	1,261	288	86	31	733	448	467	1,175	955	1,179	146	375	210
202	8,942	2,165	109		630	681	1,114	103	52	31	764	378	452	730	57	897	307	281	191
203	2,188	332	116		38	109	239	8	1	4	315	72	131	372		340	79	31	1
206	14		1				3				2		2	1		4	1		
217	511	133	8		45	4	34	2		1	38	11	28	130	10	20	25	22	
301	2,904	692	89		200	243	178	42	16	12	300	94	155	273	77	434	66	31	2
302	6,046	574	194	1	651	151	148	118	12	20	1,583	448	254	841	14	748	165	124	
303	2,945	658	73	1	49	104	190	52	15	5	564	161	234	292	117	278	102	38	12
305	56	8	3		3								7	17		9	7	2	
306	43		2				3		1			1	7	13		13	1	1	1
307	22		3				1			1			5	10			1	1	

TABLE 2. DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
308	305	1	25		21	4	78	1	1		6		22	42	1	47	20	34	2
309	133	1	20				25			3	7	1	24	26		8	5	13	
401	7,428	1,821	542		286	253	899	40	124	6	557	221	315	725	358	840	232	209	
402	137	1	14				9			1	1		16	41	16	22	4	12	
403	196	27	13						1		16	5	34	47		31	20	2	
404	583	202	33	1		1	18			2	66	5	71	88	31	38	12	13	2
406	1,058	309	32		22	17	80	3		1	110	2	88	163	61	107	41	22	
408	3													1			1	1	
409	51	2					1							24	18	3	2		1
417	10	2			2		1						3	2					
501	5,843	819	190	1	598	225	467	46	43	16	726	319	249	667	350	887	122	116	2
502	1,904	292	16	1	219	61	353	14	1	6	205	58	114	157		315	45	43	4
504	1,551	103	73			35	629	1			166	9	66	195	152	106	1	12	3
505	515	55	17		3	2	140			1	8	11	14	12		203	3	44	2
506	816	146	27		46	11	226		10	1	7	48	71	19		84	65	55	
508	2,300	204	268	1	8	117	257	49		4	277	8	90	282	103	519	78	30	5
510	53	2	8										33			10			
511	8												8						
601	2,717	437	98	1	285	146	253	33	54	14	293	78	150	288	2	394	113	75	3
602	1,365	413	43		12	71	150	11	12	7	97	14	87	181	47	173	26	19	2
603	5,195	1,562	183	2	102	193	363	35	72	13	431	312	401	528	1	778	116	96	7
604	1,544	332	38		61	30	61	4	3	4	175	88	162	246	105	155	48	27	5
606	5													4	1				
651	899	238	21		3	3	152		1	3	189	1	52	87	40	47	34	27	1
654	271	132	3	1	2	2	19	2			8	3	19	19		20	19	22	
701	496	83	14		2	57	110	1		5	18	1	9	34	47	88	10	17	
702	82	3	16		3	2					2		15	27		9	1	4	
703	4,090	1,077	163	3	52	164	80	45	63	24	380	113	190	651	216	534	209	124	2
704	901	170	18		1	30	79	1		3	138	30	15	155	74	108	46	33	
705	1,096	504	44		2	19	75	2	3	6	86	6	80	96	57	61	26	29	
707	71	31	3				2				2		8	11		8	5		1
708	175	67	30				28					4	1	30		12	3		

TABLE 2. DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
713	14	2	1				1						3	2		3		2	
715	55						33						15	6		1			
716	1													1					
717	21	1	1										5	14					
752	172	46	7	1			21			4	11	5	1	38	4	23	4	7	
753	199	105	3				1	1			11	1	7	44		7	8	11	
754	81	5	1				2			3	3	1	11	21		14	8	12	
755	89	1	5				2			1	1		20	30		23	5	1	
756	1,588	437	50		17	44	154	17	1	7	338	46	32	144		195	42	55	9
801	1,249	274	48		17	38	58	18	8	1	151	71	25	211	43	205	30	50	1
802	458	4	1													453			
803	92	16	10				1		2		2		4	31	2	18	2	3	1
804	197	9	10				17				18	2	9	68	24	19	10	11	
851	1,080	208	24		93	78	225		2	7	22	1	105	52	7	59	77	120	
854	1												1						
901	71	13	2		1	19	4			1	1	1	3	10		11	1	4	
902	634	50	46		10	74	66	2	1	3	8	24	45	76	75	89	38	22	5
903	578	153	26			47	63				58	4	75	81	18	36	3	6	8
906	19	3				1	5						4	5			1		
907	5	2											3						
909	4												1					3	
912	526	115	7		1	14	28		2	3	87	29	11	152	1	54	4	17	1
917	422	75	4		3	12	55				23	36	36	82	1	64	12	18	1
TOTAL	179,344	31,670	6,361	26	16,930	5,617	14,593	1,995	2,340	490	21,404	9,020	8,478	19,151	10,527	18,409	5,039	6,657	637

TABLE 2A. PERCENTAGES OF DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
101	100.0	5.4	2.6	0.0	22.1	0.1	4.8	1.5	0.7	0.1	10.4	12.5	3.5	7.1	24.7	3.5	0.4	0.7	0.0
102	100.0	21.9	2.2	0.0	15.3	0.4	2.4	0.4	1.6	0.3	28.3	6.6	2.1	8.1	0.0	5.1	2.9	1.6	0.7
103	100.0	14.0	1.4	0.0	23.7	1.4	8.7	0.3	4.5	0.3	9.4	8.7	4.7	7.9	0.0	3.6	8.3	3.1	0.0
105	100.0	22.9	0.2	0.0	10.7	11.6	27.5	0.5	1.6	0.3	9.9	0.8	6.0	0.2	0.0	4.7	0.0	3.0	0.0
106	100.0	10.4	1.0	0.0	14.6	3.2	6.1	1.4	0.1	0.7	10.7	6.8	2.5	22.2	0.0	9.5	4.9	5.5	0.5
107	100.0	17.5	4.5	0.0	0.0	0.0	0.2	13.9	3.1	13.4	0.5	2.6	2.4	2.4	0.2	1.7	35.4	2.1	0.2
109	100.0	21.5	5.3	0.0	0.9	0.9	1.0	2.9	14.6	0.1	15.0	4.0	4.0	10.7	3.5	7.7	2.4	5.2	0.2
110	100.0	8.6	3.0	0.0	37.6	5.9	14.8	1.6	0.7	0.1	3.7	1.2	0.3	2.5	0.0	8.1	1.7	10.1	0.0
111	100.0	8.8	2.8	0.0	7.3	3.3	15.3	0.5	0.5	0.8	6.5	4.0	2.0	24.8	0.0	15.0	4.3	4.0	0.3
112	100.0	13.3	1.1	0.0	7.6	3.2	4.5	1.1	0.5	0.4	15.4	6.7	2.4	15.6	6.5	16.4	3.5	1.6	0.3
113	100.0	11.9	7.3	0.0	0.0	0.0	0.5	0.0	0.0	0.0	19.7	0.8	12.7	23.2	8.1	13.2	1.4	1.1	0.0
115	100.0	29.7	3.2	0.0	4.9	1.5	1.3	0.3	0.6	0.2	15.3	1.4	3.8	15.5	0.1	13.8	4.7	3.2	0.3
116	100.0	15.3	2.6	0.0	4.2	5.0	6.5	1.6	0.3	0.1	10.3	1.1	6.1	13.4	3.8	10.4	3.5	15.6	0.0
121	100.0	12.3	2.3	0.0	7.5	3.6	4.0	1.5	0.2	0.2	4.3	5.3	11.3	13.8	0.2	17.7	5.7	10.1	0.0
123	100.0	19.4	0.4	0.0	8.5	0.1	1.9	0.3	3.8	0.1	20.9	8.9	4.6	4.1	0.0	15.8	8.9	2.0	0.4
125	100.0	16.3	9.6	0.0	1.2	0.2	4.6	0.1	0.2	0.1	21.2	9.4	1.7	16.9	13.1	4.5	0.3	0.5	0.2
128	100.0	2.0	6.9	0.0	0.0	1.0	16.8	0.0	0.0	0.0	4.0	1.0	1.0	45.5	0.0	10.9	4.0	6.9	0.0
130	100.0	23.0	1.2	0.1	7.0	1.8	1.9	0.5	0.8	0.1	19.3	2.5	3.7	9.5	7.4	10.2	4.2	6.9	0.1
131	100.0	17.7	29.6	0.0	8.1	0.9	2.0	0.3	0.5	0.3	8.8	1.0	5.0	10.5	3.5	6.6	3.9	1.1	0.3
134	100.0	20.2	1.2	0.0	3.5	0.7	8.4	0.0	0.7	0.4	14.6	8.3	9.0	15.7	0.0	4.7	7.0	5.4	0.4
136	100.0	12.1	2.9	0.0	2.7	7.5	11.8	0.2	0.3	0.1	2.3	7.0	10.3	11.4	3.8	10.1	2.6	14.8	0.1
201	100.0	20.8	2.0	0.0	18.0	0.5	10.1	2.3	0.7	0.2	5.8	3.6	3.7	9.4	7.6	9.4	1.2	3.0	1.7
202	100.0	24.2	1.2	0.0	7.0	7.6	12.5	1.2	0.6	0.3	8.5	4.2	5.1	8.2	0.6	10.0	3.4	3.1	2.1
203	100.0	15.2	5.3	0.0	1.7	5.0	10.9	0.4	0.0	0.2	14.4	3.3	6.0	17.0	0.0	15.5	3.6	1.4	0.0
206	100.0	0.0	7.1	0.0	0.0	0.0	21.4	0.0	0.0	0.0	14.3	0.0	14.3	7.1	0.0	28.6	7.1	0.0	0.0
217	100.0	26.0	1.6	0.0	8.8	0.8	6.7	0.4	0.0	0.2	7.4	2.2	5.5	25.4	2.0	3.9	4.9	4.3	0.0
301	100.0	23.8	3.1	0.0	6.9	8.4	6.1	1.4	0.6	0.4	10.3	3.2	5.3	9.4	2.7	14.9	2.3	1.1	0.1
302	100.0	9.5	3.2	0.0	10.8	2.5	2.4	2.0	0.2	0.3	26.2	7.4	4.2	13.9	0.2	12.4	2.7	2.1	0.0
303	100.0	22.3	2.5	0.0	1.7	3.5	6.5	1.8	0.5	0.2	19.2	5.5	7.9	9.9	4.0	9.4	3.5	1.3	0.4
305	100.0	14.3	5.4	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	30.4	0.0	16.1	12.5	3.6	0.0
306	100.0	0.0	4.7	0.0	0.0	0.0	7.0	0.0	2.3	0.0	0.0	2.3	16.3	30.2	0.0	30.2	2.3	2.3	2.3
307	100.0	0.0	13.6	0.0	0.0	0.0	4.5	0.0	0.0	4.5	0.0	0.0	22.7	45.5	0.0	0.0	4.5	4.5	0.0

TABLE 2A. PERCENTAGES OF DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
308	100.0	0.3	8.2	0.0	6.9	1.3	25.6	0.3	0.3	0.0	2.0	0.0	7.2	13.8	0.3	15.4	6.6	11.1	0.7
309	100.0	0.8	15.0	0.0	0.0	0.0	18.8	0.0	0.0	2.3	5.3	0.8	18.0	19.5	0.0	6.0	3.8	9.8	0.0
401	100.0	24.5	7.3	0.0	3.9	3.4	12.1	0.5	1.7	0.1	7.5	3.0	4.2	9.8	4.8	11.3	3.1	2.8	0.0
402	100.0	0.7	10.2	0.0	0.0	0.0	6.6	0.0	0.0	0.7	0.7	0.0	11.7	29.9	11.7	16.1	2.9	8.8	0.0
403	100.0	13.8	6.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	8.2	2.6	17.3	24.0	0.0	15.8	10.2	1.0	0.0
404	100.0	34.6	5.7	0.2	0.0	0.2	3.1	0.0	0.0	0.3	11.3	0.9	12.2	15.1	5.3	6.5	2.1	2.2	0.3
406	100.0	29.2	3.0	0.0	2.1	1.6	7.6	0.3	0.0	0.1	10.4	0.2	8.3	15.4	5.8	10.1	3.9	2.1	0.0
408	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	33.3	33.3	0.0
409	100.0	3.9	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	47.1	35.3	5.9	3.9	0.0	2.0
417	100.0	20.0	0.0	0.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0
501	100.0	14.0	3.3	0.0	10.2	3.9	8.0	0.8	0.7	0.3	12.4	5.5	4.3	11.4	6.0	15.2	2.1	2.0	0.0
502	100.0	15.3	0.8	0.1	11.5	3.2	18.5	0.7	0.1	0.3	10.8	3.0	6.0	8.2	0.0	16.5	2.4	2.3	0.2
504	100.0	6.6	4.7	0.0	0.0	2.3	40.6	0.1	0.0	0.0	10.7	0.6	4.3	12.6	9.8	6.8	0.1	0.8	0.2
505	100.0	10.7	3.3	0.0	0.6	0.4	27.2	0.0	0.0	0.2	1.6	2.1	2.7	2.3	0.0	39.4	0.6	8.5	0.4
506	100.0	17.9	3.3	0.0	5.6	1.3	27.7	0.0	1.2	0.1	0.9	5.9	8.7	2.3	0.0	10.3	8.0	6.7	0.0
508	100.0	8.9	11.7	0.0	0.3	5.1	11.2	2.1	0.0	0.2	12.0	0.3	3.9	12.3	4.5	22.6	3.4	1.3	0.2
510	100.0	3.8	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.3	0.0	0.0	18.9	0.0	0.0	0.0
511	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
601	100.0	16.1	3.6	0.0	10.5	5.4	9.3	1.2	2.0	0.5	10.8	2.9	5.5	10.6	0.1	14.5	4.2	2.8	0.1
602	100.0	30.3	3.2	0.0	0.9	5.2	11.0	0.8	0.9	0.5	7.1	1.0	6.4	13.3	3.4	12.7	1.9	1.4	0.1
603	100.0	30.1	3.5	0.0	2.0	3.7	7.0	0.7	1.4	0.3	8.3	6.0	7.7	10.2	0.0	15.0	2.2	1.8	0.1
604	100.0	21.5	2.5	0.0	4.0	1.9	4.0	0.3	0.2	0.3	11.3	5.7	10.5	15.9	6.8	10.0	3.1	1.7	0.3
606	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	20.0	0.0	0.0	0.0	0.0
651	100.0	26.5	2.3	0.0	0.3	0.3	16.9	0.0	0.1	0.3	21.0	0.1	5.8	9.7	4.4	5.2	3.8	3.0	0.1
654	100.0	48.7	1.1	0.4	0.7	0.7	7.0	0.7	0.0	0.0	3.0	1.1	7.0	7.0	0.0	7.4	7.0	8.1	0.0
701	100.0	16.7	2.8	0.0	0.4	11.5	22.2	0.2	0.0	1.0	3.6	0.2	1.8	6.9	9.5	17.7	2.0	3.4	0.0
702	100.0	3.7	19.5	0.0	3.7	2.4	0.0	0.0	0.0	0.0	2.4	0.0	18.3	32.9	0.0	11.0	1.2	4.9	0.0
703	100.0	26.3	4.0	0.1	1.3	4.0	2.0	1.1	1.5	0.6	9.3	2.8	4.6	15.9	5.3	13.1	5.1	3.0	0.0
704	100.0	18.9	2.0	0.0	0.1	3.3	8.8	0.1	0.0	0.3	15.3	3.3	1.7	17.2	8.2	12.0	5.1	3.7	0.0
705	100.0	46.0	4.0	0.0	0.2	1.7	6.8	0.2	0.3	0.5	7.8	0.5	7.3	8.8	5.2	5.6	2.4	2.6	0.0
707	100.0	43.7	4.2	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.8	0.0	11.3	15.5	0.0	11.3	7.0	0.0	1.4
708	100.0	38.3	17.1	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	2.3	0.6	17.1	0.0	6.9	1.7	0.0	0.0

TABLE 2A. PERCENTAGES OF DAY CARE SURGICAL CASES BY HOSPITAL AND OPERATION GROUPS, 1988/89

HOSP CODE	TOTAL	OPERATION GROUPS																	
		01-13	14-18	19-20	21-29	30-32	33-41	42-46	47-51	52-53	54-66	67-71	72-76	77-83	84-87	88-96	97	98	99
713	100.0	14.3	7.1	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	21.4	14.3	0.0	21.4	0.0	14.3	0.0
715	100.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	27.3	10.9	0.0	1.8	0.0	0.0	0.0
716	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
717	100.0	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	66.7	0.0	0.0	0.0	0.0	0.0
752	100.0	26.7	4.1	0.6	0.0	0.0	12.2	0.0	0.0	2.3	6.4	2.9	0.6	22.1	2.3	13.4	2.3	4.1	0.0
753	100.0	52.8	1.5	0.0	0.0	0.0	0.5	0.5	0.0	0.0	5.5	0.5	3.5	22.1	0.0	3.5	4.0	5.5	0.0
754	100.0	6.2	1.2	0.0	0.0	0.0	2.5	0.0	0.0	3.7	3.7	1.2	13.6	25.9	0.0	17.3	9.9	14.8	0.0
755	100.0	1.1	5.6	0.0	0.0	0.0	2.2	0.0	0.0	1.1	1.1	0.0	22.5	33.7	0.0	25.8	5.6	1.1	0.0
756	100.0	27.5	3.1	0.0	1.1	2.8	9.7	1.1	0.1	0.4	21.3	2.9	2.0	9.1	0.0	12.3	2.6	3.5	0.6
801	100.0	21.9	3.8	0.0	1.4	3.0	4.6	1.4	0.6	0.1	12.1	5.7	2.0	16.9	3.4	16.4	2.4	4.0	0.1
802	100.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.9	0.0	0.0	0.0
803	100.0	17.4	10.9	0.0	0.0	0.0	1.1	0.0	2.2	0.0	2.2	0.0	4.3	33.7	2.2	19.6	2.2	3.3	1.1
804	100.0	4.6	5.1	0.0	0.0	0.0	8.6	0.0	0.0	0.0	9.1	1.0	4.6	34.5	12.2	9.6	5.1	5.6	0.0
851	100.0	19.3	2.2	0.0	8.6	7.2	20.8	0.0	0.2	0.6	2.0	0.1	9.7	4.8	0.6	5.5	7.1	11.1	0.0
854	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
901	100.0	18.3	2.8	0.0	1.4	26.8	5.6	0.0	0.0	1.4	1.4	1.4	4.2	14.1	0.0	15.5	1.4	5.6	0.0
902	100.0	7.9	7.9	0.0	1.6	11.7	10.4	0.3	0.2	0.5	1.3	3.8	7.1	12.0	11.8	14.0	6.0	3.5	0.8
903	100.0	26.5	4.5	0.0	0.0	8.1	10.9	0.0	0.0	0.0	10.0	0.7	13.0	14.0	3.1	6.2	0.5	1.0	1.4
906	100.0	15.8	0.0	0.0	0.0	5.3	26.3	0.0	0.0	0.0	0.0	0.0	21.1	26.3	0.0	0.0	5.3	0.0	0.0
907	100.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0
909	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	75.0	0.0
912	100.0	21.9	1.3	0.0	0.2	2.7	5.3	0.0	0.4	0.6	16.5	5.5	2.1	28.9	0.2	10.3	0.8	3.2	0.2
917	100.0	17.8	0.9	0.0	0.7	2.8	13.0	0.0	0.0	0.0	5.5	8.5	8.5	19.4	0.2	15.2	2.8	4.3	0.2
TOTAL	100.0	17.7	3.5	0.0	9.4	3.1	8.1	1.1	1.3	0.3	11.9	5.0	4.7	10.7	5.9	10.3	2.8	3.7	0.4

TABLE 3. VOLUME OF DAY CARE AND INPATIENT SURGERY (PRINCIPAL PROCEDURES ONLY) PERFORMED IN ACUTE CARE HOSPITALS, 1988/89, SHOWING COMPARISONS WITH PREVIOUS THREE YEARS

HOSPITAL		1988/89 SURGERY			% DAY CARE			
CODE	NAME	DAY CARE	IN-PATIENT	TOTAL	85/86	86/87	87/88	88/89
101	Vancouver General	19,934	25,186	45,120	40.6	42.3	42.1	44.2
102	St. Paul's	6,904	16,504	23,408	27.4	28.2	30.6	29.5
103	St. Vincent's	1,543	3,108	4,651	42.2	48.9	51.7	33.2
104	The Salvation Army Grace		8,489	8,489	0.0	0.0	0.0	0.0
105	Children's	6,791	4,937	11,728	49.0	52.7	56.2	57.9
106	Mount Saint Joseph	2,583	3,333	5,916	35.5	38.0	40.0	43.7
107	A. Maxwell Evans Clinic	424	2,502	2,926	7.5	12.3	11.7	14.5
109	Royal Columbian	6,681	15,261	21,942	28.9	25.9	28.9	30.4
110	Saint Mary's	4,814	6,274	11,088	35.4	39.1	39.6	43.4
111	Powell River General	399	1,619	2,018	19.7	17.9	17.6	19.8
112	Lions Gate	7,580	11,955	19,535	37.7	39.8	40.1	38.8
113	St. Mary's	370	1,563	1,933	17.0	18.6	21.0	19.1
115	Langley Memorial	2,203	6,102	8,305	20.6	22.4	23.8	26.5
116	Surrey Memorial	7,500	12,151	19,651	31.4	30.3	32.0	38.2
121	Richmond General	3,687	6,460	10,147	33.9	34.5	37.7	36.3
123	UBC Health Sciences Centre	3,024	7,479	10,503	19.2	20.4	26.4	28.8
125	Shaughnessy	6,309	11,476	17,785	32.5	33.2	32.7	35.5
128	Squamish General	101	596	697	16.5	15.7	15.9	14.5
130	Burnaby Hospital	5,882	10,390	16,272	23.2	30.3	34.7	36.1
131	Peace Arch Hospital	2,660	4,217	6,877	44.0	43.2	44.6	38.7
134	Delta Hospital	1,061	1,789	2,850	32.0	34.2	31.3	37.2
136	Eagle Ridge	3,334	2,033	5,367	62.1	63.5	63.5	62.1
201	Royal Jubilee	12,532	12,879	25,411	22.1	44.4	47.3	49.3
202	Victoria General	8,942	15,365	24,307	33.3	33.0	36.6	36.8
203	Cowichan District	2,188	3,498	5,686	35.7	37.0	37.8	38.5
206	Lady Minto Gulf Islands	14	426	440	14.9	9.1	6.0	3.2
217	Saanich Peninsula	511	3,038	3,549	21.5	19.2	16.5	14.4
301	Vernon Jubilee	2,904	4,267	7,171	34.8	39.5	39.0	40.5
302	Kelowna General	6,046	11,434	17,480	33.1	33.6	34.1	34.6
303	Penticton Regional	2,945	6,068	9,013	29.8	32.0	31.4	32.7
305	Princeton General	56	377	433	16.6	20.2	16.8	12.9
306	Enderby and District Memorial	43	129	172	25.8	23.6	15.6	25.0
307	Armstrong and Spallumcheen	22	16	38	33.1	25.5	26.2	57.9
308	Summerland General	305	463	768	19.6	20.6	25.4	39.7
309	South Okanagan General	133	682	815	18.4	14.5	10.5	16.3
401	Royal Inland	7,428	11,002	18,430	43.0	39.8	41.6	40.3
402	Queen Victoria	137	656	793	14.2	12.2	16.4	17.3
403	Nicola Valley General	196	702	898	20.2	18.4	18.2	21.8
404	Shuswap Lake General	583	1,733	2,316	24.1	24.7	27.2	25.2
405	St. Bartholomew's		50	50	0.0	0.0	0.0	0.0
406	Cariboo Memorial	1,058	2,238	3,296	32.0	32.4	34.0	32.1
408	Ashcroft and District General	3	492	495	11.1	4.3	8.8	0.6
409	Golden and District	51	473	524	14.3	9.6	13.7	9.7

TABLE 3. VOLUME OF DAY CARE AND INPATIENT SURGERY (PRINCIPAL PROCEDURES ONLY) PERFORMED IN ACUTE CARE HOSPITALS, 1988/89, SHOWING COMPARISONS WITH PREVIOUS THREE YEARS

HOSPITAL		1988/89 SURGERY			% DAY CARE			
CODE	NAME	DAY CARE	IN-PATIENT	TOTAL	85/86	86/87	87/88	88/89
417	Lillooet District	10	396	406	3.6	3.5	3.6	2.5
419	Dr. Helmcken Memorial		220	220	0.0	0.0	0.0	0.0
501	Nanaimo Regional General	5,843	7,539	13,382	40.9	40.3	43.5	43.7
502	St. Joseph's General	1,904	4,089	5,993	24.2	30.0	32.4	31.8
504	Cumberland Health Care Facility*	1,551		1,551	100.0	100.0	100.0	100.0
505	Chemainus General	515		515	62.1	100.0	100.0	100.0
506	Ladysmith and District General	816	556	1,372	56.5	60.8	60.3	59.5
507	St. George's		153	153	0.3	0.0	0.0	0.0
508	Campbell River and District General	2,300	3,243	5,543	38.5	40.3	42.2	41.5
510	Port Hardy	53	195	248	29.4	18.2	26.8	21.4
511	Port McNeill and District	8	223	231	10.7	7.3	2.9	3.5
601	Chilliwack General	2,717	4,498	7,215	37.2	36.5	39.2	37.7
602	Mission Memorial	1,365	2,561	3,926	27.1	27.1	31.5	34.8
603	Matsqui-Sumas-Abbotsford General	5,195	7,240	12,435	37.9	38.4	38.9	41.8
604	Maple Ridge	1,544	3,519	5,063	22.5	25.3	26.0	30.5
606	Fraser Canyon	5	431	436	10.2	4.2	2.3	1.1
651	Kootenay Lake District	899	2,369	3,268	26.3	25.6	26.4	27.5
652	Slocan Community		39	39	0.0	0.0	0.0	0.0
653	Victorian		35	35	0.0	0.0	0.0	0.0
654	Creston Valley	271	1,240	1,511	9.1	16.1	18.6	17.9
655	Arrow Lakes		447	447	0.0	0.0	0.0	0.0
701	Fort St. John General	496	2,347	2,843	14.8	17.8	17.6	17.4
702	St. John	82	555	637	12.1	13.8	13.2	12.9
703	Prince George Regional	4,090	9,683	13,773	30.8	30.6	29.5	29.7
704	Dawson Creek and District	901	2,665	3,566	19.1	22.9	22.6	25.3
705	G. R. Baker Memorial	1,096	1,776	2,872	35.1	39.9	38.1	38.2
707	Burns Lake and District	71	341	412	15.7	17.1	16.4	17.2
708	100 Mile District Regional	175	527	702	14.8	17.3	24.6	24.9
713	McBride and District	14	122	136	8.8	9.2	5.6	10.3
714	Fort Nelson General		798	798	20.5	15.7	3.8	0.0
715	Mackenzie and District	55	239	294	18.4	21.9	16.2	18.7
716	Chetwynd General	1	239	240	0.0	0.9	1.4	0.4
717	Stuart Lake	21	166	187	10.0	11.3	9.1	11.2
752	Kimberley and District	172	579	751	17.9	19.1	23.3	22.9
753	Fernie District	199	807	1,006	6.6	1.3	0.0	19.8
754	Sparwood General	81	871	952	12.4	15.8	17.8	8.5
755	Windermere District	89	304	393	21.5	20.9	20.8	22.6
756	Cranbrook and District	1,588	2,747	4,335	34.4	38.1	39.7	36.6
801	Trail Regional	1,249	3,358	4,607	24.3	23.4	25.6	27.1
802	The Mater Misericordiae	458	2	460	69.1	88.9	99.2	99.6
803	Boundary	92	629	721	14.6	13.2	14.9	12.8
804	Castlegar and District	197	824	1,021	21.2	23.2	21.7	19.3
851	West Coast General	1,080	1,257	2,337	44.0	48.9	49.4	46.2

TABLE 3. VOLUME OF DAY CARE AND INPATIENT SURGERY (PRINCIPAL PROCEDURES ONLY) PERFORMED IN ACUTE CARE HOSPITALS, 1988/89, SHOWING COMPARISONS WITH PREVIOUS THREE YEARS

HOSPITAL		1988/89 SURGERY			% DAY CARE			
CODE	NAME	DAY CARE	IN-PATIENT	TOTAL	85/86	86/87	87/88	88/89
854	Tofino General	1	82	83	5.7	0.0	4.2	1.2
858	C. F. Station Hospital, Holberg		1	1	0.0	0.0	0.0	0.0
859	Port Alice		27	27	0.0	0.0	0.0	0.0
861	Tahsis		46	46	0.0	0.0	0.0	0.0
901	Wrinch Memorial	71	495	566	8.2	11.8	10.3	12.5
902	Prince Rupert Regional	634	2,210	2,844	29.7	22.0	23.3	22.3
903	Bulkley Valley District	578	1,509	2,087	32.0	29.5	29.3	27.7
904	R. W. Large Memorial		107	107	0.0	0.0	0.0	0.0
906	Bella Coola General	19	134	153	7.3	8.1	7.0	12.4
907	Queen Charlotte Islands General	5	137	142	10.1	3.0	5.8	3.5
909	Houston Health & Human Resources Centre*	4		4	100.0	100.0	100.0	100.0
910	Stewart General		38	38	0.0	0.0	0.0	0.0
912	Mills Memorial	526	2,487	3,013	19.9	20.2	19.1	17.5
916	Cassiar		7	7	0.0	0.0	0.0	0.0
917	Kitimat General	422	1,119	1,541	23.0	28.8	29.8	27.4
918	C. F. Station Hospital, Masset		34	34	0.0	0.0	0.0	0.0
TOTAL		179,344	317,674	497,018	31.6	33.7	35.3	36.1

* Diagnostic and Treatment Centre

Note: Rehabilitation hospitals and Red Cross Outpost hospitals are excluded.

SECTION 3

DAY CARE SURGICAL VOLUMES FOR SPECIFIC PROCEDURES

SECTION 3. DAY CARE SURGICAL VOLUMES FOR SPECIFIC PROCEDURES

A list of the most common procedures carried out in hospitals in the Province during 1988/89 under the day care program is shown in Table 4. In order to minimize the number of codes and to give a better understanding of the work volume, a few closely related codes were grouped for convenience, but for the most part, the figures in the table refer to specific procedures. Figures for the leading procedures for 1988/89 are also compared with those of the previous year. As Table 4 does relate to the twenty-five most common procedures for the year, specific procedures shown on the table may vary from year to year. Therefore, caution should be exercised when comparing this report with those of previous years.

In 1988/89, the total work load represented by the twenty-five most common procedures was 120,821 cases of the total 179,344. The table then, gives a fairly good picture of the type of work being carried out in the day care program. It should be noted, however, that as total day care volume has increased, so has the variety of procedures being performed on a day care basis. The proportion of the total work load represented by the twenty-five most common procedures has decreased over time. In 1977, the twenty-five most common procedures amounted to 81.3 percent of the total work load. In 1988/89, the twenty-five most common procedures represented 67.4 percent of the total day care surgical load. A further analysis of the procedures listed in Table 4 shows that the top five procedures as ranked by day care volume have remained unchanged from the previous year. They are:

- Cystoscopy and urethroscopy;
- Therapeutic abortion;
- Diagnostic dilation and curettage;
- Removal and restoration of teeth; and
- Nonoperative endoscopy of respiratory and upper gastro-intestinal tract.

While these five procedures represented 49.4 percent of the total day care volume in 1977, they accounted for only 29.7 percent of the total day care volume in 1988/89.

TABLE 4. THE TWENTY–FIVE MOST COMMON DAY CARE SURGICAL PROCEDURES, BOTH SINGLE AND GROUPED, 1987/88 AND 1988/89

	ICD-9 CODE	PROCEDURE	1987/88		1988/89	
			RANK	CASES	RANK	CASES
1.	01.33 - 01.35, 67.85 - 67.87	Cystoscopy and urethroscopy, with and without retrograde pyelogram	1	15,670	1	16,025
2.	86.41, 86.42, 86.49, 87.0, 87.1, 87.21, 87.29	Therapeutic abortion	2	10,757	2	10,508
3.	79.0, 79.1, 79.21 - 79.23, 79.29, 79.3, 80.11, 80.12, 80.19, 81.09	Diagnostic dilation and curettage	3	10,565	3	9,784
4.	35	Removal of teeth	4	9,149	4	9,194
5.	01.02 - 01.09, 01.11 - 01.16	Nonoperative endoscopy of respiratory and upper gastrointestinal tract	5	7,711	5	7,769
6.	56.81, 56.82, 57.91 - 57.95	Biopsy of stomach and intestines	6	7,058	6	7,681
7.	78.21, 78.22, 78.31, 78.32, 78.39, 78.41, 78.42, 78.49, 78.53, 78.59	Destruction or occlusion of fallopian tubes	7	5,071	7	4,941
8.	01.22	Other nonoperative colonoscopy	9	4,411	8	4,887
9.	98.11, 98.12	Removal of lesion of skin and subcutaneous tissue	10	4,165	9	4,570
10.	32.01, 32.09, 32.1	Myringotomy; removal of tympanostomy tube	8	4,627	10	4,400
11.	92.32	Excision of semilunar cartilage of knee	12	3,869	11	4,109
12.	97.11, 97.82	Local excision or biopsy of lesion of breast	11	3,876	12	4,098
13.	27.51, 27.59	Extracapsular extraction of lens	16	2,986	13	4,066
14.	75.64	Vasectomy	13	3,753	14	3,510
15.	66.83	Laparoscopy	14	3,619	15	3,384

TABLE 4. THE TWENTY–FIVE MOST COMMON DAY CARE SURGICAL PROCEDURES, BOTH SINGLE AND GROUPED, 1987/88 AND 1988/89

	ICD-9 CODE	PROCEDURE	1987/88 RANK	1987/88 CASES	1988/89 RANK	1988/89 CASES
16.	33.21 - 33.23, 33.30, 33.40, 33.51, 33.52, 33.59, 33.61, 33.62, 33.71 - 33.77, 33.79, 33.91, 33.99, 34.00, 34.10, 34.21, 34.29, 34.31, 34.32, 34.41 - 34.44, 34.51 - 34.53	Operations on nose and accessory sinuses	15	3,103	16	3,238
17.	70.10, 70.50	Urethral meatotomy, dilation of urethra	17	2,970	17	3,128
18.	17.33	Release of carpal tunnel	18	2,412	18	2,532
19.	28.53 - 28.55	Excision or destruction of lesion of retina, by photocoagulation	19	2,387	19	2,415
20.	72.91	Needle biopsy of prostate	23	1,697	20	2,108
21.	94.21, 95.21, 95.22, 95.29	Excision of lesion of muscle, tendon and fascia	20	2,149	21	2,075
22.	11.88, 11.89, 90.60 - 90.69	Removal of internal and external fixation device	22	1,721	22	1,663
23.	16.91, 16.92	Injection of agent into spinal canal	21	1,999	23	1,644
24.	27.3	Discission of lens and capsulotomy	*	306	24	1,582
25.	54.81	Biopsy of esophagus	*	1,503	25	1,510
	TOTAL			117,534		120,821
	Percentage of total day care surgical load			68.4		67.4

* Not within 25 most common procedures for fiscal year indicated.

In Table 5, the volume of day care surgery for the 25 most common procedures for 1988/89 is compared with the surgery performed on an inpatient basis. For each of the procedures, the table shows the corresponding volume of inpatient principal surgical procedures and the proportion of the total load which is done as a day care service. For comparison the relative proportions are given for the previous three years as well. In 1988/89, the percentage done on a day care basis increased for 16 of the 25 procedures. Looking at all procedures shown in the table, the day care proportion amounted to 78.4 percent for 1988/89.

TABLE 5. THE TWENTY-FIVE MOST COMMON DAY CARE SURGICAL PROCEDURES AND CORRESPONDING INPATIENT SURGICAL PROCEDURES (PRINCIPAL ONLY) PERFORMED IN ACUTE CARE HOSPITALS 1988/89, COMPARED WITH PREVIOUS THREE YEARS

	ICD-9 CODE	DAY CARE	IN-PATIENT	TOTAL	% DAY CARE			
					1985/86	1986/87	1987/88	1988/89
1.	01.33 - 01.35, 67.85 - 67.87	16,025	5,136	21,161	63.9	70.6	74.0	75.7
2.	86.41, 86.42, 86.49, 87.00, 87.10, 87.21, 87.29	10,508	759	11,267	88.0	92.6	93.2	93.3
3.	79.00, 79.10, 79.21, 79.22, 79.23, 79.29, 79.30, 80.11, 80.12, 80.19, 81.09	9,784	2,130	11,914	77.3	80.5	81.8	82.1
4.	35	9,194	1,150	10,344	85.3	88.0	88.4	88.9
5.	01.02 - 01.09, 01.11 - 01.16	7,769	4,035	11,804	66.2	66.7	66.5	65.8
6.	56.81, 56.82, 57.91 - 57.95	7,681	2,453	10,134	72.3	74.3	75.1	75.8
7.	78.21, 78.22, 78.31, 78.32, 78.39, 78.41, 78.42, 78.49, 78.53, 78.59	4,941	1,148	6,089	75.8	78.5	79.5	81.1
8.	01.22	4,887	1,544	6,431	68.4	71.5	73.9	76.0
9.	98.11, 98.12	4,570	1,496	6,066	65.2	68.7	71.9	75.3
10.	32.01, 32.09, 32.10	4,400	304	4,704	91.7	92.0	93.9	93.5
11.	92.32	4,109	1,145	5,254	63.7	71.4	79.0	78.2
12.	97.11, 97.82	4,098	776	4,874	78.0	80.7	82.1	84.1
13.	27.51, 27.59	4,066	2,402	6,468	30.2	39.6	50.5	62.9
14.	75.64	3,510	35	3,545	95.8	98.3	98.7	99.0
15.	66.83	3,384	1,344	4,728	68.0	71.6	72.4	71.6

TABLE 5. THE TWENTY-FIVE MOST COMMON DAY CARE SURGICAL PROCEDURES AND CORRESPONDING INPATIENT SURGICAL PROCEDURES (PRINCIPAL ONLY) PERFORMED IN ACUTE CARE HOSPITALS 1988/89, COMPARED WITH PREVIOUS THREE YEARS

	ICD-9 CODE	DAY CARE	IN-PATIENT	TOTAL	% DAY CARE			
					1985/86	1986/87	1987/88	1988/89
16.	33.21 - 33.23, 33.30, 33.40, 33.51, 33.52, 33.59, 33.61, 33.62, 33.71 - 33.77, 33.79, 33.91, 33.99, 34.00, 34.10, 34.21, 34.29, 34.31, 34.32, 34.41 - 34.44, 34.51 - 34.53	3,238	3,491	6,729	39.6	42.6	45.2	48.1
17.	70.10, 70.50	3,128	608	3,736	76.2	81.2	83.8	83.7
18.	17.33	2,532	380	2,912	80.3	83.3	87.5	87.0
19.	28.53 - 28.55	2,415	14	2,429	90.4	99.5	99.3	99.4
20.	72.91	2,108	611	2,719	68.5	74.6	75.9	77.5
21.	94.21, 95.21, 95.22, 95.29	2,075	319	2,394	83.4	85.8	86.3	86.7
22.	11.88, 11.89, 90.60 - 90.69	1,663	970	2,633	57.8	61.1	63.3	63.2
23.	16.91, 16.92	1,644	372	2,016	78.0	77.3	83.1	81.5
24.	27.3	1,582	257	1,839	15.8	42.8	49.1	86.0
25.	54.81	1,510	406	1,916	75.5	62.4	80.3	78.8
TOTAL		120,821	33,285	154,106	71.3	75.3	77.4	78.4

From the 25 most common day care surgical procedures for the year, Table 6 highlights those which have experienced significant growth over the four year period, 1985/86 to 1988/89. There were other procedures as well outside of the 25 most common grouping, though relatively small in total numbers of surgical day care procedures performed, which showed significant changes, both increases and decreases. These procedures are identified in Tables 7 and 7A.

TABLE 6. SIGNIFICANT GROWTH VOLUMES AMONG THE TWENTY-FIVE MOST COMMON DAY CARE SURGICAL PROCEDURES, 1985/86 – 1988/89

ICD-9 CODE	PROCEDURE	CASES 1985/86	1986/87	1987/88	1988/89	% INCREASE 85/86-88/89
27.3	Discission of lens and capsulotomy	51	234	306	1,582	3002.0
27.51, 27.59	Extracapsular extraction of lens	1,572	2,279	2,986	4,066	158.7
72.91	Needle biopsy of prostate	1,204	1,384	1,697	2,108	75.1
92.32	Excision of semilunar cartilage of knee	2,621	3,287	3,869	4,109	56.8
01.22	Other nonoperative colonoscopy	3,233	3,893	4,411	4,887	51.2

TABLE 7. ADDITIONAL DAY CARE SURGICAL PROCEDURES SHOWING SIGNIFICANT GROWTH, 1985/86 – 1988/89

ICD-9 CODE	PROCEDURE	CASES				% INCREASE 85/86 - 88/89
		1985/ 1986	1986/ 1987	1987/ 1988	1988/ 1989	
71.96	Ultrasonic fragmentation of urinary stones	0	0	681	1510	LARGE
99.09	Surgical Procedures NOS	0	0	0	401	LARGE
27.62	Phakofragmentation & aspiration of cataract	0	104	268	324	LARGE
26.39	Other facilitation of intraocular circulation	0	82	107	268	LARGE
63.99	Other operations on biliary tract NEC	10	8	25	272	LARGE
49.96	Left cardiac catheterization	18	15	134	442	LARGE
01.24	Other nonoperative proctosigmoidoscopy	108	354	389	546	405.6
65.03	Repair of indirect inguinal hernia	210	307	427	612	191.4
18.21	Injection of anesthetic into sympathetic nerve for analgesia	223	411	597	576	158.3

TABLE 7A. DAY CARE SURGICAL PROCEDURES SHOWING SIGNIFICANT DECREASES, 1985/86 – 1988/89

ICD-9 CODE	PROCEDURE	CASES				% DECREASE 85/86 - 88/89
		1985/ 1986	1986/ 1987	1987/ 1988	1988/ 1989	
26.29	Other relief of intraocular tension	482	380	393	268	-44.4
50.80-50.89	Selective angiography using contrast material	1,256	1,176	799	788	-37.3
92.85	Arthroscopy, knee	1,672	1,624	1,575	1,378	-17.6
16.83	Contrast myelogram	361	360	303	304	-15.8
81.01	Dilation and curettage following delivery or abortion	1,374	1,301	1,337	1,207	-12.2

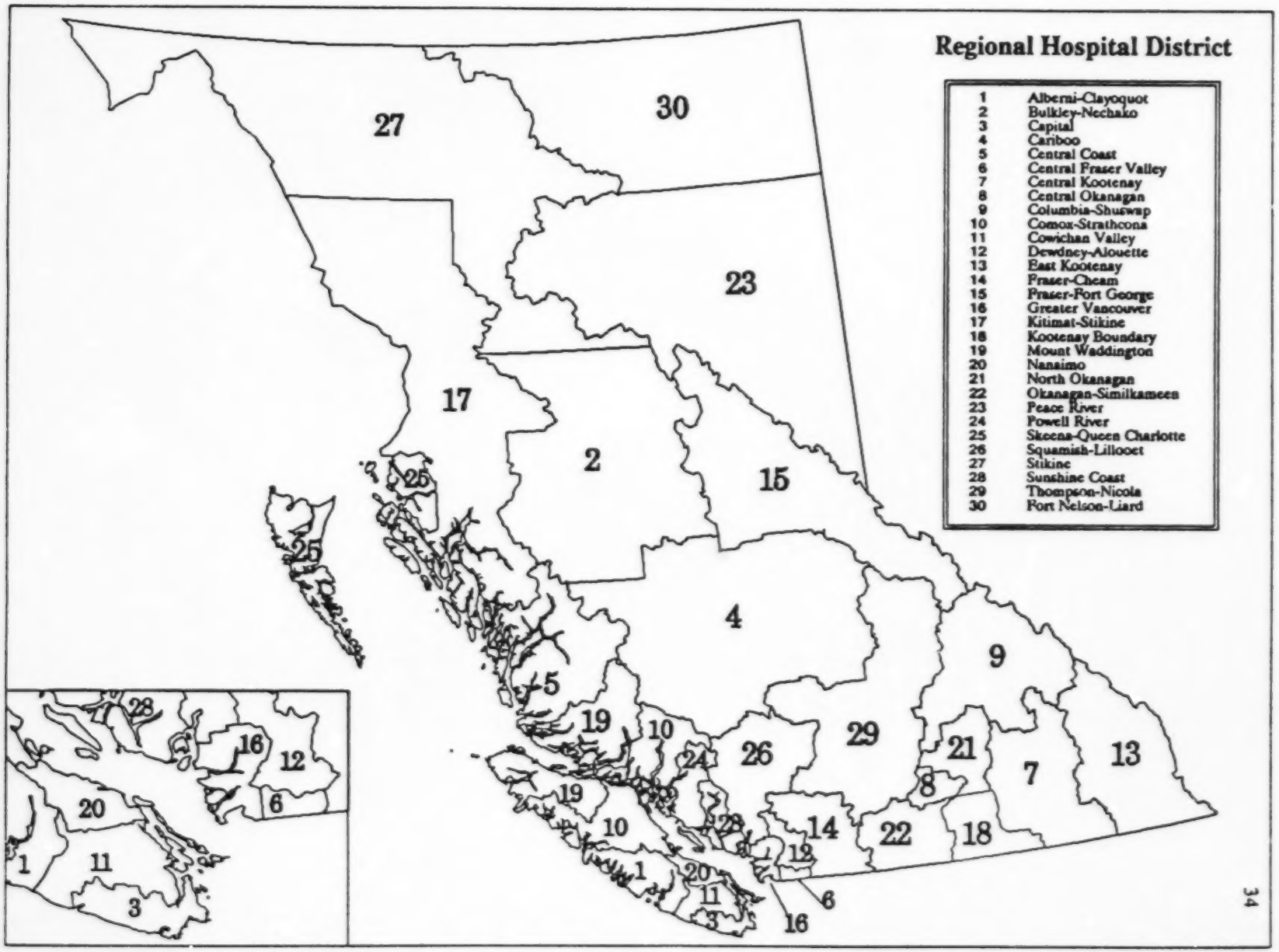
SECTION 4

DAY CARE SURGICAL VOLUMES FOR REGIONAL HOSPITAL DISTRICTS

SECTION 4. DAY CARE SURGICAL VOLUMES FOR REGIONAL HOSPITAL DISTRICTS

The number of day care surgical operations performed in acute care hospitals within each regional hospital district and the number of operations generated by the residents of each region are shown in Table 8. A map of British Columbia's regional hospital districts (Figure 5) has been included to complement the table. Again comparative data are given for fiscal years 1985/86 to 1988/89. **Beginning with fiscal year 1987/88, RHD 23, Peace River-Liard, was divided into two separate districts, RHD 23, Peace River, and RHD 30, Fort Nelson-Liard. In addition, as of 1988/89 RHD 6, Central Fraser Valley, contains only LHA 34, Abbotsford, while LHA 35, Langley, is included with RHD 16, Greater Vancouver. As a result, statistics presented in this report for RHDs 6, 16, and 23 will not be directly comparable to those from earlier versions of the report.**

As would be expected, those regional hospital districts experiencing a net inflow of day care patients contain hospitals which have large total surgical loads, provide specialized services, or act as natural regional referral centres.



Source: Population Section, Central Statistics Bureau

TABLE 8. DAY CARE SURGICAL PROCEDURES (PRINCIPAL) PER 1,000 POPULATION FOR RHD RESIDENTS AND RHD HOSPITALS, 1985/86 – 1988/89

REGIONAL HOSPITAL DISTRICT No.	Name	POPULATION 1988/89	PROCEDURES PER 1,000 POPULATION 1985/86 Res*	1985/86 Hosp**	1986/87 Res*	1986/87 Hosp**	1987/88 Res*	1987/88 Hosp**	1988/89 Res*	1988/89 Hosp**
1	Alberni-Clayoquot	29,858	49.3	35.8	58.7	39.0	60.8	42.9	57.3	36.2
2	Bulkley-Nechako	36,994	35.3	19.7	38.4	22.0	38.5	21.7	37.7	20.4
3	Capital	275,925	51.2	53.9	72.7	77.6	74.8	79.7	75.7	79.7
4	Cariboo	59,154	49.5	36.2	51.7	39.1	53.7	40.9	54.5	39.4
5	Central Coast	3,174	24.0	4.1	29.0	3.8	34.3	4.1	35.6	6.0
6	Central Fraser Valley	72,265	54.2	38.6	57.8	41.7	59.3	44.2	73.6	71.9
7	Central Kootenay	47,959	40.1	22.8	46.3	26.7	50.1	28.3	51.1	28.5
8	Central Okanagan	94,184	53.6	59.1	56.6	61.3	60.7	63.5	62.2	64.2
9	Columbia-Shuswap	39,453	40.2	15.7	38.6	18.1	41.8	21.5	42.1	19.5
10	Comox-Strathcona	73,946	59.6	61.8	73.4	76.2	79.4	80.8	76.5	77.8
11	Cowichan Valley	53,634	61.9	52.8	74.7	63.0	80.1	67.7	79.3	65.6
12	Dewdney-Alouette	77,532	49.2	27.4	53.5	30.3	57.5	31.8	60.6	37.5
13	East Kootenay	49,224	30.9	31.9	36.7	37.4	40.1	41.1	43.5	43.3
14	Fraser-Cheam	60,849	54.8	44.5	57.4	45.8	61.0	48.0	59.2	44.7
15	Fraser-Fort George	86,780	44.2	49.6	44.3	49.4	42.8	47.8	43.0	47.9
16	Greater Vancouver	1,400,179	52.1	58.8	55.0	62.7	58.1	66.5	59.6	66.4
17	Kitimat-Stikine	39,668	30.0	25.1	36.7	30.9	34.2	27.5	32.6	25.7
18	Kootenay-Boundary	29,528	39.9	49.6	44.6	54.5	46.4	59.6	48.1	60.9
19	Mount Waddington	14,476	47.9	2.9	53.0	2.5	51.6	3.6	50.7	4.2
20	Nanaimo	85,553	54.2	57.2	62.8	62.5	69.6	68.9	67.4	68.3
21	North Okanagan	55,883	44.6	43.5	49.6	49.0	51.5	50.9	53.7	53.1
22	Okanagan-Similkameen	61,219	51.2	46.8	58.0	53.3	54.7	50.2	58.5	56.2
23	Peace River	49,594	23.3	20.2	27.6	24.8	26.2	22.5	32.3	28.2
24	Powell River	17,826	37.1	22.6	41.6	21.4	45.2	20.9	48.4	22.4
25	Skeena-Queen Charlotte	22,900	38.4	35.5	31.7	26.2	39.5	31.8	38.2	27.9
26	Squamish-Lillooet	20,868	39.3	5.3	44.1	5.4	45.6	5.4	51.8	5.3
27	Stikine	1,763	9.3	0.0	14.8	0.0	12.4	0.0	14.1	0.0
28	Sunshine Coast	17,262	44.5	22.4	49.5	24.9	51.7	24.0	51.9	21.4
29	Thompson-Nicola	97,609	67.9	78.8	65.4	72.2	68.6	75.3	69.3	78.1
30	Fort Nelson-Liard	4,941	n/a	n/a	n/a	n/a	14.7	4.4	8.70	0.0
TOTAL BC RESIDENTS		2,980,200	50.1	50.3	55.6	55.9	58.4	58.7	59.8	60.2
Nonresidents			0.2		0.3		0.4		0.4	
TOTAL ALL DAY CARE PROCEDURES			50.3	50.3	55.9	55.9	58.7	58.7	60.1	60.1

Note 1: Peace River-Liard (RHD 23) divided into Peace River (RHD 23) and Fort Nelson-Liard (RHD 30) from 1987/88 on.

* Procedures attributable to RHD RESIDENTS regardless of where surgery was performed in B. C.

** Procedures performed in RHD HOSPITALS.

APPENDICES

APPENDIX A. CANADIAN CLASSIFICATION OF DIAGNOSTIC, THERAPEUTIC AND SURGICAL PROCEDURES

OPERATION GROUP	CODE
Certain Diagnostic and Therapeutic Procedures	01 - 13
Operations on the Nervous System	14 - 18
Operations on the Endocrine System	19 - 20
Operations on the Eyes	21 - 29
Operations on the Ears	30 - 32
Operations on the Nose, Mouth, and Pharynx	33 - 41
Operations on the Respiratory System	42 - 46
Operations on the Cardiovascular System	47 - 51
Operations on the Hemic and Lymphatic Systems	52 - 53
Operations on the Digestive System and Abdominal Region	54 - 66
Operations on the Urinary Tract	67 - 71
Operations on the Male Genital Organs	72 - 76
Operations on the Female Genital Organs	77 - 83
Obstetrical Procedures	84 - 87
Operations on the Musculoskeletal System	88 - 96
Operations on the Breast	97
Operations on Skin and Subcutaneous Tissue	98
Procedures Not Elsewhere Classified	99

APPENDIX B. BRITISH COLUMBIA ACUTE CARE HOSPITALS

101 Vancouver General
102 St. Paul's
103 St. Vincent's
104 The Salvation Army Grace
105 Children's
106 Mount Saint Joseph
107 A. Maxwell Evans Clinic
109 Royal Columbian
110 Saint Mary's, New Westminster
111 Powell River General
112 Lions Gate
113 St. Mary's, Sechelt
115 Langley Memorial
116 Surrey Memorial
121 Richmond General
123 UBC Health Sciences Centre
125 Shaughnessy
128 Squamish General
130 Burnaby
131 Peace Arch District
134 Delta
136 Eagle Ridge
201 Royal Jubilee
202 Victoria General
203 Cowichan District
206 Lady Minto Gulf Islands
217 Saanich Peninsula
301 Vernon Jubilee
302 Kelowna General
303 Penticton Regional
305 Princeton General
306 Enderby and District Memorial
307 Armstrong and Spallumcheen
308 Summerland General
309 South Okanagan General
401 Royal Inland
402 Queen Victoria
403 Nicola Valley General
404 Shuswap Lake General
405 St. Bartholomew's
406 Cariboo Memorial
408 Ashcroft and District General
409 Golden and District General
417 Lillooet District
419 Dr. Helmcken Memorial
501 Nanaimo Regional General
502 St. Joseph's General
504 Cumberland Health Care Facility*
505 Chemainus Diagnostic & Treatment Centre*
506 Ladysmith and District General
507 St. George's
508 Campbell River & District General
510 Port Hardy
511 Port McNeill and District
601 Chilliwack General
602 Mission Memorial
603 Matsqui-Sumas-Abbotsford General

* Diagnostic and Treatment Centre

604 Maple Ridge
606 Fraser Canyon
651 Kootenay Lake District
652 Slocan Community
653 Victorian
654 Creston Valley
655 Arrow Lakes
701 Fort St. John General
702 St. John
703 Prince George Regional
704 Dawson Creek and District
705 G. R. Baker Memorial
707 Burns Lake and District
708 100 Mile District General
713 McBride and District
714 Fort Nelson General
715 MacKenzie and District
716 Chetwynd General
717 Stuart Lake
752 Kimberley and District
753 Fernie District
754 Sparwood General
755 Windermere District
756 Cranbrook and District
801 Trail Regional
802 The Mater Misericordiae
803 Boundary
804 Castlegar and District
851 West Coast General
854 Tofino General
858 CFS Holberg
859 Port Alice
861 Tahsis
901 Wrinch Memorial
902 Prince Rupert Regional
903 Bulkley Valley District
904 R. W. Large Memorial
906 Bella Coola General
907 Queen Charlotte Islands General
909 Houston Health and Human Resources Centre *
910 Stewart General
912 Mills Memorial
916 Cassiar
917 Kitimat General
918 CFS Masset

* Diagnostic and Treatment Centre